

All communications should be addressed to:
THE DEPUTY COMMONWEALTH STATISTICIAN,
Box 1433J, G.P.O., ADELAIDE
TELEPHONE: 83 6911



COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

In reply quote No.

EIGHTH FLOOR,
DA COSTA BUILDING,
68 GRENFELL STREET,
ADELAIDE

FACTORIES

SOUTH AUSTRALIA

YEAR 1960-61

SCOPE This bulletin summarizes information relating to factory operations compiled annually and shows either in total or by class of factory details of : number of factories ; number of persons employed ; salaries and wages paid ; value of land, buildings, plant, and machinery ; value of materials used ; value of power and fuel used ; value of production ; value of output ; capacity of engines used.

DEFINITIONS For the purpose of this collection a factory is defined as an establishment in which four or more persons are employed or where power driven machinery is used in any manufacturing, repairing, or assembling process.

The figures relating to employment include proprietors who work in their own businesses but exclude anyone engaged in selling or distribution.

Value of output is the value of the goods manufactured and includes bounty and subsidy payments and amounts received for repair work and work done on commission; it excludes excise duties and all delivery costs and charges.

Value of production is the value added to raw materials by the process of manufacture and is calculated by deducting from the value of output the value of materials used, power and fuel consumed, tools replaced, containers, and repairs to plant and buildings.

Value of land and buildings and value of plant and machinery include estimated amounts for rented premises and plant.

FACTORY OPERATIONS SUMMARY The number of factories for which details of operations during 1960-61 are included in this bulletin is 5,042, the number for 1959-60 being 4,684. The main reason for this increase is given under "Size of Factories" on page 3.

Average employment over the year increased from 99,018 in 1959-60 to 99,955 in 1960-61, a little less than 1 percent, but June 30th employment 1961 was 5,589 less at 95,018 than June 30th employment of 100,607 in 1960.

The value of production rose from £162,974,000 for 1959-60 to £170,062,000 for 1960-61, an increase of 4.3 per cent compared with increases of 16.6 per cent, 4.9 per cent, and 5.1 per cent, for 1959-60, 1958-59, and 1957-58 respectively.

The value of land and buildings increased by 13.0 per cent to £87,729,000 and the value of plant and machinery by 15.1 per cent to £113,100,000.

Compared with the immediate pre-war year of 1938-39 mean population has increased by 60.8 per cent, the number of factories by 143.9 per cent, and the number of factory employees by 130.5 per cent.

TABLE 1 - FACTORY OPERATIONS, INDUSTRIAL CLASSES, SOUTH AUSTRALIA, 1960-61

Industrial Class	Number of Establishments	Employment (a)		Value of -						
		Males	Females	Salaries and Wages Paid (b)	Power, Fuel, etc. Used	Other Costs of Production (c)	Production	Output	Land and Buildings	Plant and Machinery
	Number						£'000			
Treatment of non-metal mine products	182	2,188	120	2,491	1,041	5,838	5,848	12,727	2,430	6,165
Bricks, pottery, glass, etc.	76	2,104	186	2,408	675	2,660	4,577	7,912	1,455	1,165
Chemicals, dyes, paints, etc.	89	2,498	478	3,135	810	11,152	8,992	20,955	3,961	8,409
Metals, machines, conveyances -										
Plant, equipment, and machinery	233	7,987	1,474	9,717	581	18,030	15,379	33,990	5,769	4,465
Electrical engineering etc.(inc. wireless etc.)	156	3,211	1,804	4,721	184	8,036	7,452	15,671	3,270	1,916
Other engineering	209	3,663	248	4,112	109	4,982	5,931	11,022	2,781	3,430
Construction & repair of vehicles -										
Tramcars and railway rolling-stock	13	3,798	62	3,758	130	3,077	4,654	7,862	1,737	2,351
Motor vehicle repairs	1,086	5,188	573	4,375	138	5,150	6,819	12,107	6,313	1,418
Motor bodies	234	11,294	604	14,213	652	32,615	18,239	51,506	7,052	8,597
Other (inc. ships and boats)	116	3,716	272	4,509	150	4,820	6,876	11,845	2,293	1,874
Sheet metal working etc.	113	2,749	805	3,438	235	8,572	4,905	13,712	2,286	1,439
Pipes, tubes, etc. (ferrous)	11	2,138	194	2,819	320	4,978	5,405	10,704	1,785	2,037
Total metals, machines, etc.	2,358	49,852	6,595	59,212	5,631	112,406	92,014	210,050	39,219	39,489
Textiles etc. (not dress)	56	1,227	1,303	2,061	212	4,570	3,861	8,643	1,770	1,999
Skins and leather	39	964	183	1,135	133	4,578	1,420	6,131	677	416
Clothing (except knitted)	491	1,759	3,328	3,348	144	3,968	5,290	9,402	2,897	1,165
Food, drink, and tobacco	723	7,687	3,215	9,532	1,384	43,706	18,081	63,171	12,635	10,782
Sawmills, joinery, etc.	361	4,713	381	4,593	302	10,970	7,720	18,992	4,888	4,231
Furniture of wood, bedding, etc.	208	1,740	446	1,741	47	3,492	3,029	6,568	1,481	501
Paper, stationery, printing, etc.	175	3,434	1,178	4,602	474	7,389	8,633	16,495	4,788	6,181
Rubber	65	1,008	220	1,437	162	2,090	2,741	4,993	1,020	629
Heat, light, and power	36	1,757	27	2,164	4,082	2,004	5,813	11,900	9,361	31,391
Other	183	967	397	1,124	87	1,559	2,043	3,689	1,147	577
Total	5,042	81,898	18,057	98,983	15,184	216,382	170,062	401,628	87,729	113,100

- (a) Average weekly employment over whole year, including working proprietors.
 (b) Excludes drawings of working proprietors.
 (c) Materials used, containers, tools replaced, and repairs to plant and buildings.

1. The first part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

2. The second part of the document is a list of items and their quantities. The items are listed in the first column, and the quantities are listed in the second column. The items are: Apples, Bananas, and Oranges. The quantities are: 10, 5, and 3.

3. The third part of the document is a list of dates and times. The dates are listed in the first column, and the times are listed in the second column. The dates are: 1/1/2020, 2/1/2020, and 3/1/2020. The times are: 10:00 AM, 2:00 PM, and 5:00 PM.

4. The fourth part of the document is a list of names and their ages. The names are listed in the first column, and the ages are listed in the second column. The names are: Alice, Bob, and Charlie. The ages are: 25, 30, and 35.

TABLE 2 - FACTORY OPERATIONS, SOUTH AUSTRALIA

Particulars	1956-57	1957-58	1958-59	1959-60	1960-61
Number of establishments	4,063	4,168	4,235	4,684	5,042
Employment (a) -					
Males	75,543	75,909	77,427	81,312	81,898
Females	16,438	16,563	16,738	17,706	18,057
Salaries and wages paid (£'000) (b) -					
Males	69,645	71,152	74,268	85,333	88,622
Females	8,174	8,692	8,877	9,905	10,360
Salaries etc. per employee (£) (b) -					
Male	953	970	992	1,088	1,125
Female	508	536	543	576	592
Value of (£'000) -					
Power, fuel, light, etc. used	14,130	14,934	14,590	15,093	15,184
Other costs of production (c)	184,209	183,880	188,358	207,636	216,382
Production	126,766	133,285	139,810	162,974	170,062
Output	325,105	332,098	342,757	385,702	401,628
Land and buildings	55,344	61,084	66,278	77,632	87,729
Plant and machinery	71,846	79,336	84,749	98,241	113,100

(a) Average weekly employment over whole year, including working proprietors.

(b) Excludes drawings of working proprietors.

(c) Materials used, containers, tools replaced, and repairs to plant & buildings.

SIZE OF FACTORIES

Table No. 3 shows factories classified by the average number of persons employed. In the past two years the coverage of the collection has been improved by the inclusion for the first time of a number of small firms which are not liable to register as factories but which conform to the definition shown on page 1 of this bulletin.

TABLE 3 - CLASSIFICATION OF FACTORIES BY NUMBER OF PERSONS EMPLOYED, SOUTH AUSTRALIA

Number of Employees	1956-57	1957-58	1958-59	1959-60	1960-61
Under 4	1,415	1,460	1,443	1,837	2,125
From 4 to 10	1,415	1,460	1,534	1,548	1,612
From 11 to 20	574	597	582	592	587
From 21 to 50	381	370	390	415	419
From 51 to 100	154	151	155	154	159
Over 100	124	130	131	138	140
Total	4,063	4,168	4,235	4,684	5,042

CAPACITY OF ENGINES

For 1960-61 the capacity of steam engines was 105,000 H.P. greater than for the previous year, the increase being mainly additional steam turbines installed in electricity generating stations. The rated capacity of electric motors used in factories increased by 54,000 H.P., mainly in four groups of industries : food, drink, and tobacco (10,000) ; sawmills, joinery, etc. (6,000) ; paper, stationery, printing, etc. (12,000) ; heat, light, and power (8,000).

TABLE 4 - CAPACITY OF ENGINES IN FACTORIES, SOUTH AUSTRALIA

Type of Engine	1956-57	1957-58	1958-59	1959-60	1960-61
	Horse-power				
Steam	489,153	548,904	555,471	634,638	739,827
Electric	421,685	434,590	450,241	478,522	532,438
Oil	44,665	43,771	43,521	43,241	45,806
Gas	1,221	1,208	1,067	1,037	977
Other	10	10	10	10	10

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EMPLOYMENT

Although average employment over the whole year was somewhat higher than for the previous year the number of persons employed at 30th June 1961 was 5,589 less than at 30th June 1960. The decline in employment occurred mainly in the second half of the financial year, mostly in the metals, machines, and conveyances group of industries.

TABLE 5 - EMPLOYMENT IN FACTORIES AT 30TH JUNE, SOUTH AUSTRALIA

Particulars	1956-57	1957-58	1958-59	1959-60	1960-61
Working proprietors -					
Males	2,496	2,580	2,581	2,896	3,138
Females	333	361	405	498	562
Wage and salary earners -					
Under 16 yrs - Males	878	873	860	883	878
Females	724	796	829	883	804
16 - 20 yrs - Males	6,010	6,140	6,374	7,106	7,214
Females	3,330	3,388	3,560	3,839	3,634
21 yrs and over - Males	65,665	66,013	68,524	71,567	67,536
Females	11,721	11,777	11,987	12,935	11,252
Total	91,157	91,928	95,120	100,607	95,018

POWER, FUEL, MATERIALS, ETC. USED

Generally the power, fuel, materials, etc. used in factories increased slightly. The quantity of Leigh Creek coal consumed, almost all of which is used for the generation of electricity, increased by 282,000 tons from 676,719 tons in 1959-60 to 958,709 tons in 1960-61. The quantity of other coal used fell by 166,000 tons to 572,494 tons.

TABLE 6 - POWER, FUEL, ETC. USED IN FACTORIES - SOUTH AUSTRALIA

Particulars	Unit	1956-57	1957-58	1958-59	1959-60	1960-61
Coal (a) - Leigh Creek	ton	461,667	671,673	650,690	676,719	958,709
Other	ton	661,266	685,716	628,475	738,026	572,494
Coke	ton	376,536	391,912	359,366	323,723	339,544
Wood	ton	167,031	199,279	198,374	215,327	229,477
Fuel oils (incl. tar fuel) (a)	ton	162,581	152,351	170,582	199,934	215,966
Gas	£'000	229	221	228	263	260
Electricity	£'000	3,035	3,345	3,713	4,062	4,330
Lubricating oils and water	£'000	543	615	634	728	791

(a) Includes quantities classified as materials used.

TABLE 7 - OTHER COSTS OF PRODUCTION IN FACTORIES, SOUTH AUSTRALIA

Particulars	1956-57	1957-58	1958-59	1959-60	1960-61
	£'000				
Materials used	170,016	168,986	173,628	191,852	200,139
Containers	7,679	8,318	8,192	8,630	9,135
Tools replaced and repairs to plant and buildings	6,514	6,576	6,538	7,154	7,108
Total	184,209	183,880	188,358	207,636	216,382

average employment over the whole year was somewhat higher than in 1934. The number of persons employed at 1000 hours or more was 10,000. The decline in employment was due to the fact that the number of persons employed at 1000 hours or more was 10,000. The decline in employment was due to the fact that the number of persons employed at 1000 hours or more was 10,000.

1934		1935		1936		1937		1938		1939		1940		1941		1942		1943		1944		1945		1946		1947		1948		1949		1950		1951		1952		1953		1954		1955		1956		1957		1958		1959		1960		1961		1962		1963		1964		1965		1966		1967		1968		1969		1970		1971		1972		1973		1974		1975		1976		1977		1978		1979		1980		1981		1982		1983		1984		1985		1986		1987		1988		1989		1990		1991		1992		1993		1994		1995		1996		1997		1998		1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018		2019		2020		2021		2022		2023		2024		2025		2026		2027		2028		2029		2030		2031		2032		2033		2034		2035		2036		2037		2038		2039		2040		2041		2042		2043		2044		2045		2046		2047		2048		2049		2050		2051		2052		2053		2054		2055		2056		2057		2058		2059		2060		2061		2062		2063		2064		2065		2066		2067		2068		2069		2070		2071		2072		2073		2074		2075		2076		2077		2078		2079		2080		2081		2082		2083		2084		2085		2086		2087		2088		2089		2090		2091		2092		2093		2094		2095		2096		2097		2098		2099		2100		2101		2102		2103		2104		2105		2106		2107		2108		2109		2110		2111		2112		2113		2114		2115		2116		2117		2118		2119		2120		2121		2122		2123		2124		2125		2126		2127		2128		2129		2130		2131		2132		2133		2134		2135		2136		2137		2138		2139		2140		2141		2142		2143		2144		2145		2146		2147		2148		2149		2150		2151		2152		2153		2154		2155		2156		2157		2158		2159		2160		2161		2162		2163		2164		2165		2166		2167		2168		2169		2170		2171		2172		2173		2174		2175		2176		2177		2178		2179		2180		2181		2182		2183		2184		2185		2186		2187		2188		2189		2190		2191		2192		2193		2194		2195		2196		2197		2198		2199		2200		2201		2202		2203		2204		2205		2206		2207		2208		2209		2210		2211		2212		2213		2214		2215		2216		2217		2218		2219		2220		2221		2222		2223		2224		2225		2226		2227		2228		2229		2230		2231		2232		2233		2234		2235		2236		2237		2238		2239		2240		2241		2242		2243		2244		2245		2246		2247		2248		2249		2250		2251		2252		2253		2254		2255		2256		2257		2258		2259		2260		2261		2262		2263		2264		2265		2266		2267		2268		2269		2270		2271		2272		2273		2274		2275		2276		2277		2278		2279		2280		2281		2282		2283		2284		2285		2286		2287		2288		2289		2290		2291		2292		2293		2294		2295		2296		2297		2298		2299		2300		2301		2302		2303		2304		2305		2306		2307		2308		2309		2310		2311		2312		2313		2314		2315		2316		2317		2318		2319		2320		2321		2322		2323		2324		2325		2326		2327		2328		2329		2330		2331		2332		2333		2334		2335		2336		2337		2338		2339		2340		2341		2342		2343		2344		2345		2346		2347		2348		2349		2350		2351		2352		2353		2354		2355		2356		2357		2358		2359		2360		2361		2362		2363		2364		2365		2366		2367		2368		2369		2370		2371		2372		2373		2374		2375		2376		2377		2378		2379		2380		2381		2382		2383		2384		2385		2386		2387		2388		2389		2390		2391		2392		2393		2394		2395		2396		2397		2398		2399		2400		2401		2402		2403		2404		2405		2406		2407		2408		2409		2410		2411		2412		2413		2414		2415		2416		2417		2418		2419		2420		2421		2422		2423		2424		2425		2426		2427		2428		2429		2430		2431		2432		2433		2434		2435		2436		2437		2438		2439		2440		2441		2442		2443		2444		2445		2446		2447		2448		2449		2450		2451		2452		2453		2454		2455		2456		2457		2458		2459		2460		2461		2462		2463		2464		2465		2466		2467		2468		2469		2470		2471		2472		2473		2474		2475		2476		2477		2478		2479		2480		2481		2482		2483		2484		2485		2486		2487		2488		2489		2490		2491		2492		2493		2494		2495		2496		2497		2498		2499		2500		2501		2502		2503		2504		2505		2506		2507		2508		2509		2510		2511		2512		2513		2514		2515		2516		2517		2518		2519		2520		2521		2522		2523		2524		2525		2526		2527		2528		2529		2530		2531		2532		2533		2534		2535		2536		2537		2538		2539		2540		2541		2542		2543		2544		2545		2546		2547		2548		2549		2550		2551		2552		2553		2554		2555		2556		2557		2558		2559		2560		2561		2562		2563		2564		2565		2566		2567		2568		2569		2570		2571		2572		2573		2574		2575		2576		2577		2578		2579		2580		2581		2582		2583		2584		2585		2586		2587		2588		2589		2590		2591		2592		2593		2594		2595		2596		2597		2598		2599		2600		2601		2602		2603		2604		2605		2606		2607		2608		2609		2610		2611		2612		2613		2614		2615		2616		2617		2618		2619		2620		2621		2622		2623		2624		2625		2626		2627		2628		2629		2630		2631		2632		2633		2634		2635		2636		2637		2638		2639		2640		2641		2642		2643		2644		2645		2646		2647		2648		2649		2650		2651		2652		2653		2654		2655		2656		2657		2658		2659		2660		2661		2662		2663		2664		2665		2666		2667		2668		2669		2670		2671		2672		2673		2674		2675		2676		2677		2678		2679		2680		2681		2682		2683		2684		2685		2686		2687		2688		2689		2690		2691		2692		2693		2694		2695		2696		2697		2698		2699		2700		2701		2702		2703		2704		2705		2706		2707		2708		2709		2710		2711		2712		2713		2714		2715		2716		2717		2718		2719		2720		2721		2722		2723		2724		2725		2726		2727		2728		2729		2730		2731		2732		2733		2734		2735		2736		2737		2738		2739		2740		2741		2742		2743		2744		2745		2746		2747		2748		2749		2750		2751		2752		2753		2754		2755		2756		2757		2758		2759		2760		2761		2762		2763		2764		2765		2766		27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VALUE OF
PRODUCTION

The value of factory production at £170,062,000 was £7,088,000 higher than for 1959-60, an increase of 4.3 per cent compared with increases of 16.6 per cent in 1959-60, 4.9 per cent in 1958-59, and 5.1 per cent in 1957-58.

Most groups of industries showed a small or moderate increase, the largest being : heat, light, and power 18.3 per cent ; treatment of non-metal mine products 15.6 per cent ; motor vehicle repairs 14.7 per cent. Five of the groups included in Table No. 8 showed a decrease for 1960-61 compared with the previous year, the largest decrease being 12.3 per cent for the skins and leather group ; all other decreases were less than 5 per cent.

TABLE 8 - VALUE OF FACTORY PRODUCTION, SOUTH AUSTRALIA

Industrial Class	1956-57	1957-58	1958-59	1959-60	1960-61
	£'000				
Treatment of non-metal mine products	3,937	4,076	4,711	5,057	5,848
Bricks, pottery, glass, etc.	3,309	3,316	3,858	4,437	4,577
Chemicals, dyes, paints, etc.	7,967	8,650	8,771	8,958	8,992
Metals, machines, conveyances -					
Plant, equipment, and machinery	12,142	11,556	12,467	15,587	15,379
Electrical engineering etc. (a)	3,146	4,561	5,755	6,870	7,452
Other engineering	4,957	4,635	4,849	5,824	5,931
Construction & repair of vehicles -					
Tram cars and railway rolling-stock	4,699	4,603	4,463	4,570	4,654
Motor vehicle repairs	4,626	5,112	5,329	5,947	6,819
Motor bodies	13,037	13,318	14,693	18,139	18,239
Other (inc. ships and boats)	4,160	4,321	4,826	6,112	6,876
Sheet metal working etc.	3,958	4,385	4,370	5,045	4,905
Pipes, tubes, etc. (ferrous)	3,078	3,767	3,946	5,587	5,405
Total metals, machines, etc.	65,630	68,604	71,524	87,945	92,014
Textiles etc. (not dress)	3,247	3,618	3,682	3,756	3,861
Skins and leather	1,611	1,435	1,733	1,619	1,420
Clothing (except knitted)	4,365	4,584	4,744	5,066	5,290
Food, drink, and tobacco	15,100	15,588	16,013	17,921	18,081
Sawmills, joinery, etc.	6,373	6,529	7,057	7,977	7,720
Furniture of wood, bedding, etc.	2,390	2,475	2,508	2,884	3,029
Paper, stationery, printing, etc.	6,000	6,624	6,925	7,861	8,633
Rubber	1,693	1,996	2,157	2,547	2,741
Heat, light, and power	3,555	4,082	4,313	4,915	5,813
Other	1,589	1,708	1,814	2,031	2,043
Total	126,766	133,285	139,810	162,974	170,062

(a) Includes wireless etc.

D.L.J. AITCHISON

DEPUTY COMMONWEALTH STATISTICIAN

Commonwealth Bureau of Census & Statistics,
ADELAIDE, S.A.
28th March 1962.

